GB-2000X Firewall Appliance

Features

- Six 10/100 Ethernet ports
- ICSA-certified GNAT Box System Software
- Unrestricted concurrent users
- User authentication
- DHCP server
- DNS server
- Secure email proxy (SMTP)
- SNMP
- PPP / PPPoE / PPTP
- Local content list (LCL) filtering
- Secure remote management
- Stateful packet inspection
- Time-based filters
- Transparent NAT (network address translation)
- Two DB-9 serial console interfaces
- Two USB interfaces

Optional Features

- VPN hardware acceleration
- Mail Sentinel™ Anti-Virus email filtering
- Mail Sentinel™ Anti-Spam email filtering
- Surf Sentinel® web content filtering
- H_2A High Availability failover
- Additional mobile VPN client licenses
- Support contracts

Feature Specifications

Feature	Standard	w/VPN acceleration
• Concurrent connections	128,000	128,000
• Mobile VPN client licenses	1	1
• PPP configurations	5	5
• IP aliases	300	300
• IP pass-through hosts	300	300
• Filters (each kind)	400	400
• Tunnels	300	300
• Address objects	600	600
• Static NAT maps	300	300
• Static routes	300	300
• Time groups	100	100
• Access control lists (ACL)	300	300
• Local content list (LCL) filters	250	250
• Protocols	255	255
• VPN security associations	250	600
• Mobile VPN users (max concurrent)	100	300

Supported Software

- GTA Reporting Suite™ (firewall log reporting)
- GB-Commander® (firewall management)

Expansion Options

- Two 10/100/1000 Ethernet ports
- Four 10/100 Ethernet ports
- Hardware VPN acceleration

Hardware Specifications

Dimensions	16.87” x 14.17” x 1.73” (428.6mm x 360mm x 44 mm)
Weight	11.45 lbs (5.2 kg)

Power Specifications

Input Voltage	*Input Frequency*
100-240 VAC	47-63 Hz

Storage Specifications

Temperature	58 to 184° F (0° to 70° C)
Relative Humidity	5% to 95%, non-condensing

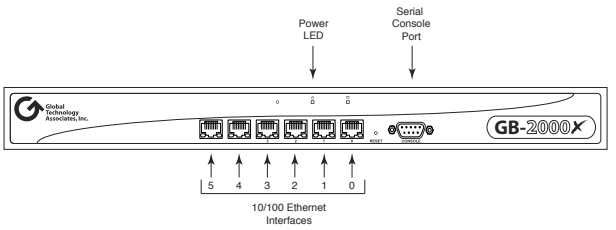
Operational Specifications

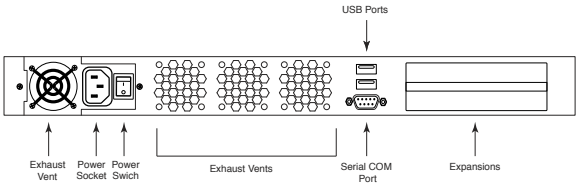
Temperature	41° to 104° F (5° to 40° C)
Relative Humidity	20% to 90%, non-condensing

Memory and CPU Specifications

CPU	2.0 GHz Intel Pentium 4
Memory	256 MB SDRAM
Flash Memory	512 MB Type 1 Compact Flash

*Specifications subject to change without notice.





Hardware Design

The GB-2000X chassis is a 1-RU unit designed to minimize heat buildup with two cooling fans. It has six high speed 10/100 Mbps Ethernet interfaces to ensure high performance and network design flexibility, one DB-9 serial interface to provide access for a serial console, one DB-9 serial (COM) interface for a dial-up modem/ISDN TA, and two USB interfaces. Flash memory stores and runs the pre-installed GNAT Box System Software. Power is supplied by a power cable. A reboot may be triggered using the "Reset" pin hole.

Caution

At least 6" should be provided behind the system to allow efficient cooling. Inadequate clearance can cause the system to overheat.

Warning

There are no user serviceable or upgradeable parts in the GB-2000X. Opening the unit will void the warranty on the system, and may cause injury.

I/O Interface Specifications

- Six (6) 10/100 Mbps Ethernet 10Base-T network interfaces on UTP Cat. 3, 4 and 5, and fast Ethernet 100Base-TX network interfaces on UTP Cat. 5. NIC 0 is factory set to IP address 192.168.71.254 .
- Two (2) DB-9 (RS-232) serial interfaces
  The serial console / modem port should be set to 38,400 bps, 8 bit, 1 stop, no parity and flow control to hardware.
- Two (2) USB interfaces
- Two (2) PCI expansion slots

LED Status Indicators

Front Panel LEDs

Power LED	When the firewall is powered up, the green Power LED on the front panel will be lit.
Disk LED	The red LED will light when the Compact Flash disk is accessed.
10/100 LED	The green LED will remain unlit if a 10 Mbps connection is established; it will light if a 100 Mbps connection is established. Each 10/100 LED is located on the associated Ethernet connector.
Link/Activity LED	The green LED will light and remain solid when an Ethernet connection is established; it will blink when activity occurs over that connection. Each Link/Activity LED is located on the associated Ethernet connector.